

1/11
Fig. 1

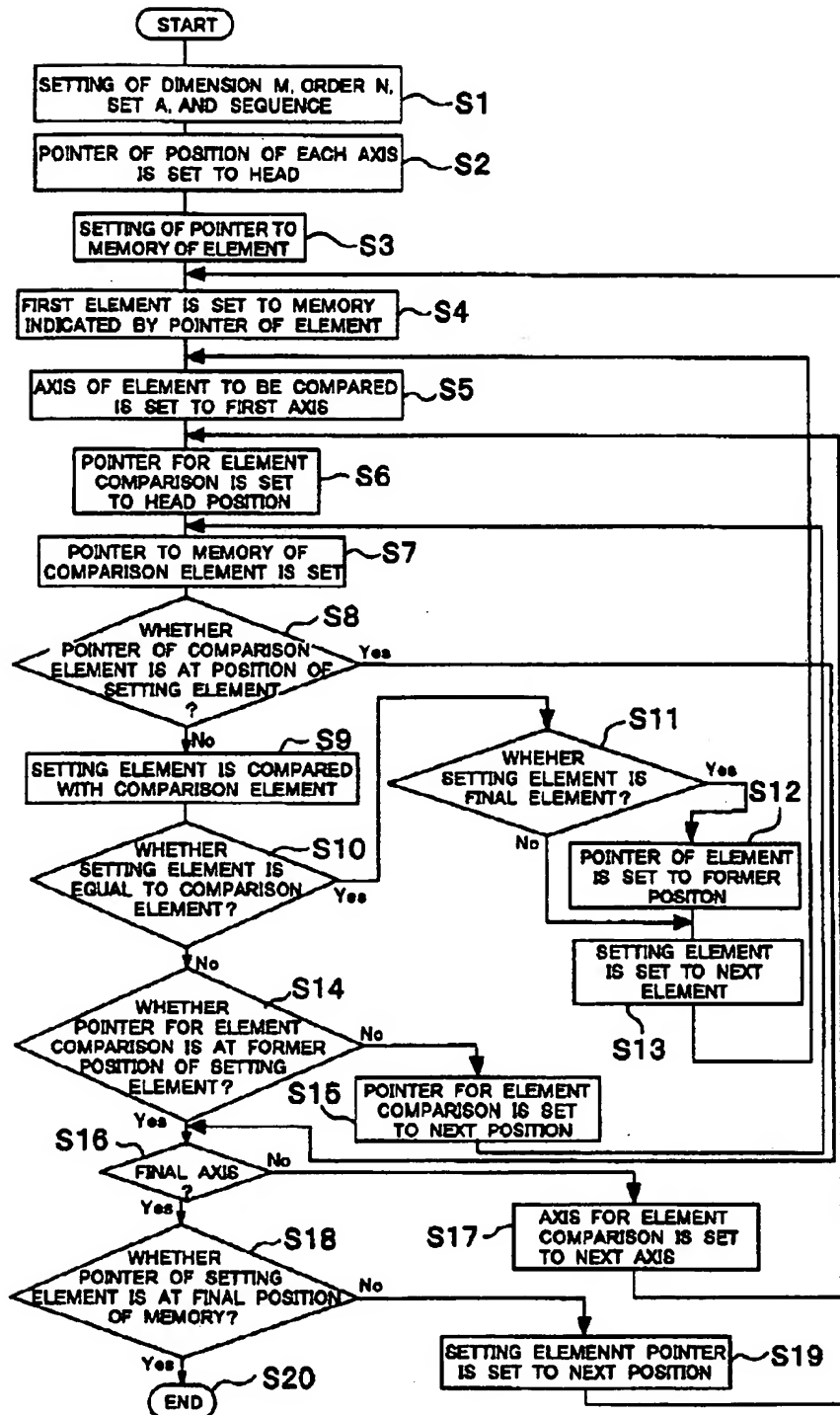


Fig. 2

T

$K(1,1,1,1) = 0$

$K(1,1,1,2) = 1$

$K(1,1,2,1) = 2$

$K(1,1,2,2) = 3$

$K(1,2,1,1) = 4$

$K(1,2,1,2) = 5$

$K(1,2,2,1) = 6$

$K(1,2,2,2) = 7$

$K(2,1,1,1) = 8$

$K(2,1,1,2) = 9$

$K(2,1,2,1) = 10$

$K(2,1,2,2) = 11$

$K(2,2,1,1) = 12$

$K(2,2,1,2) = 13$

$K(2,2,2,1) = 14$

$K(2,2,2,2) = 15$

$E(1,1,1,1)$

$E(1,1,1,2)$

$E(1,1,2,1)$

$E(1,1,2,2)$

$E(1,2,1,1)$

$E(1,2,1,2)$

$E(1,2,2,1)$

$E(1,2,2,2)$

$E(2,1,1,1)$

$E(2,1,1,2)$

$E(2,1,2,1)$

$E(2,1,2,2)$

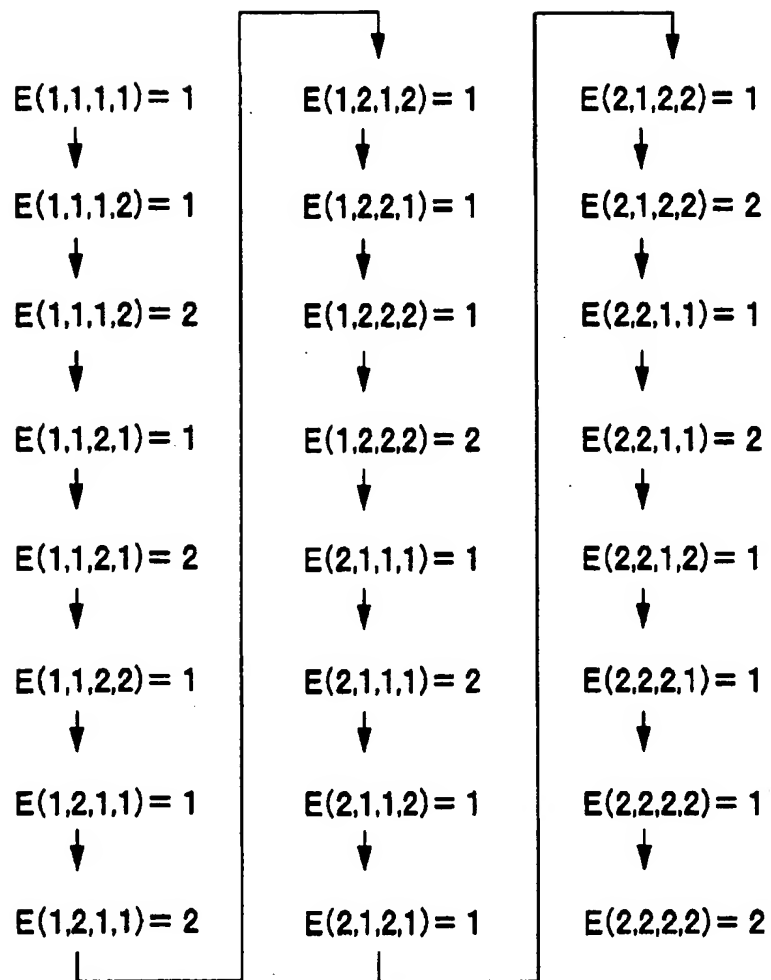
$E(2,2,1,1)$

$E(2,2,1,2)$

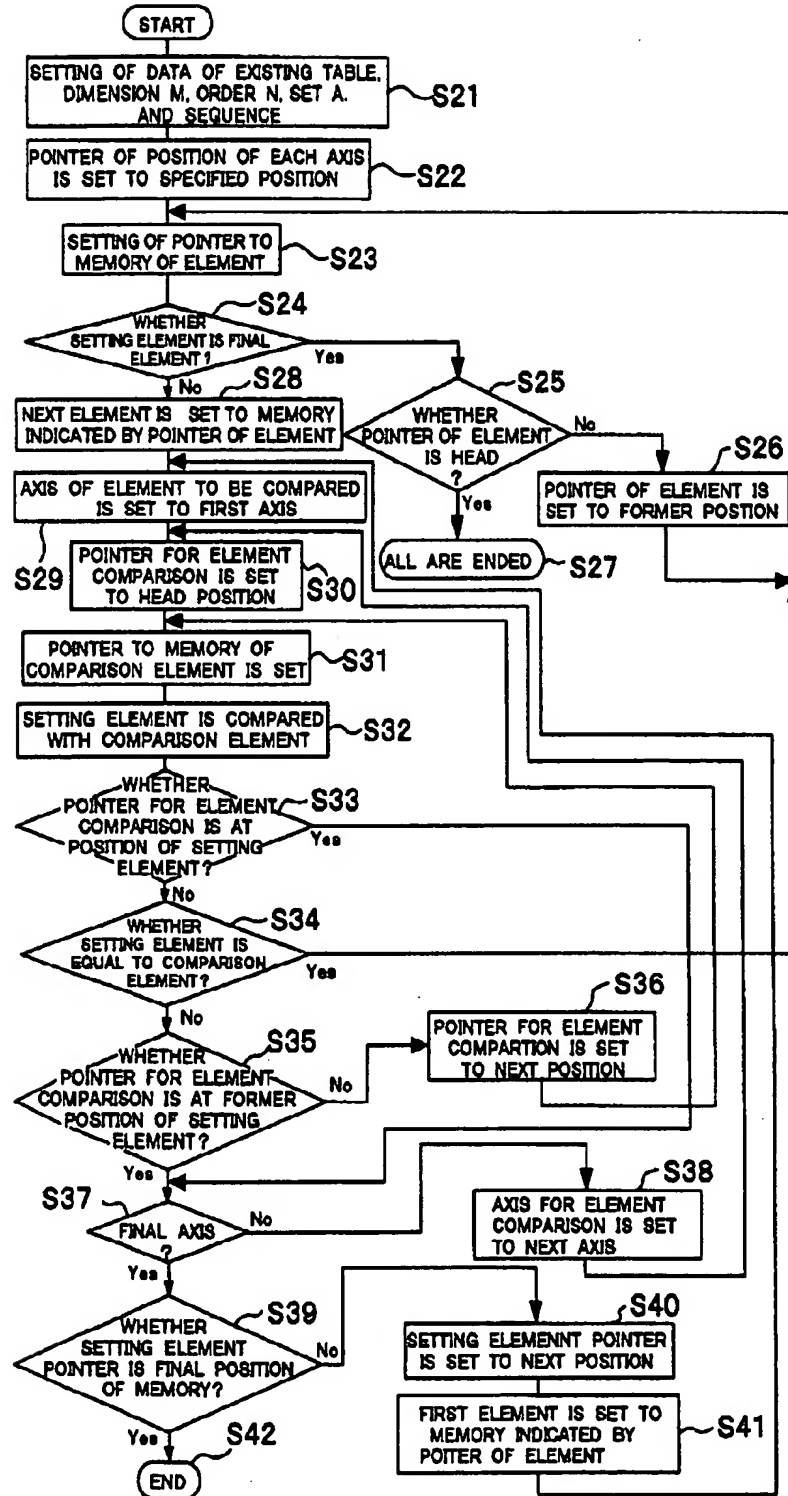
$E(2,2,2,1)$

$E(2,2,2,2)$

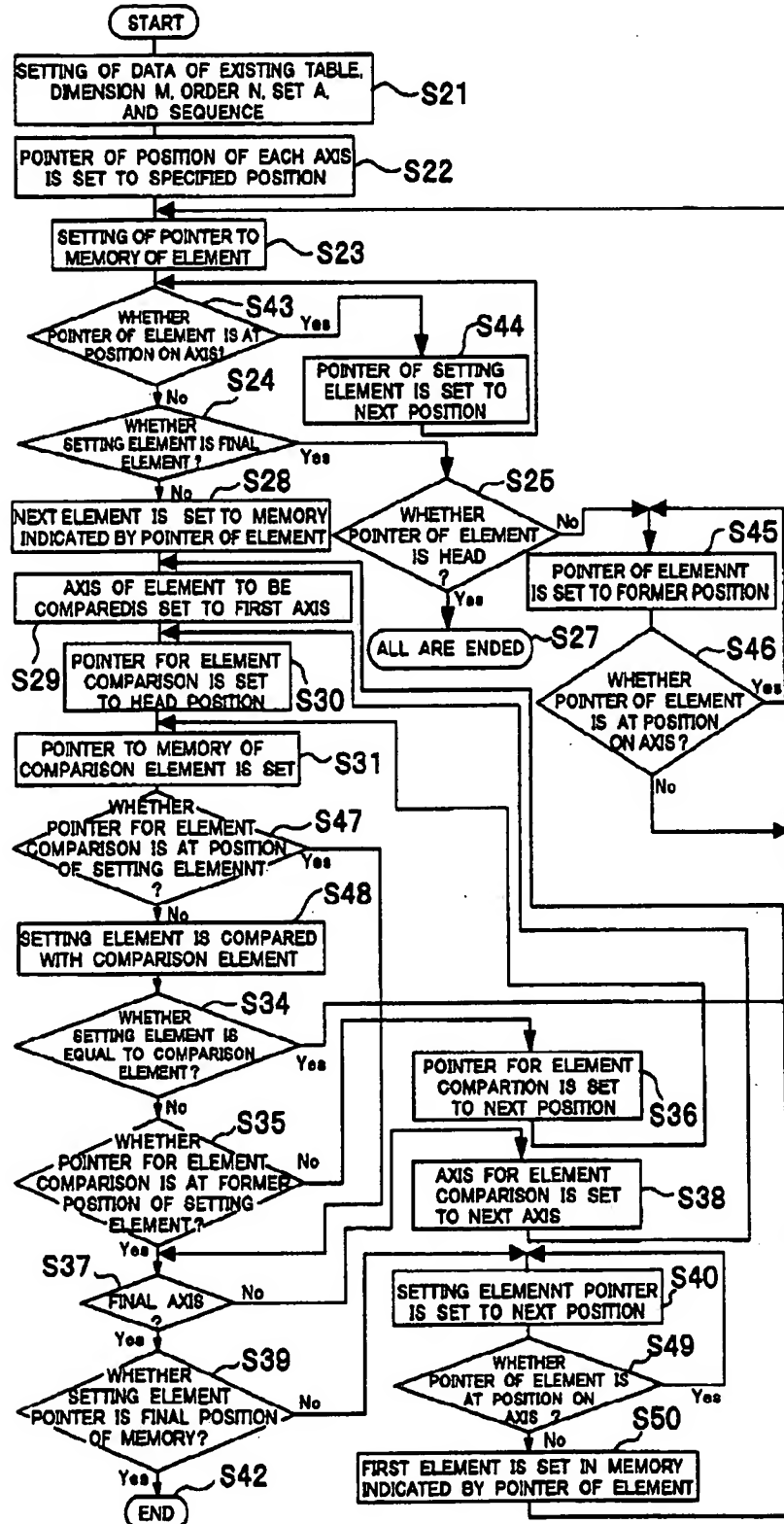
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Fig. 3



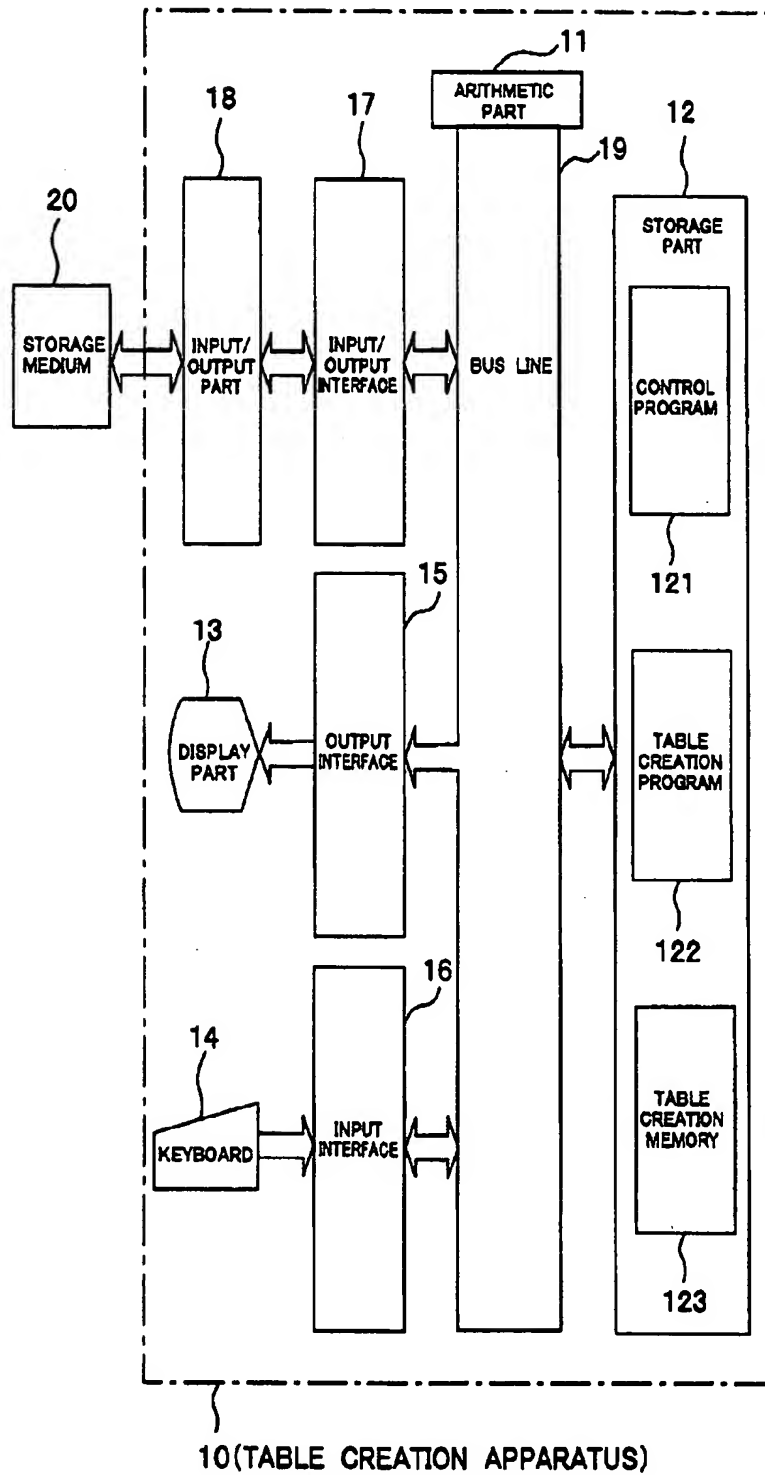
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Fig. 4



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Fig. 5



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Fig. 6



0	1	2	3
1	2	3	0
2	3	0	1
3	0	1	2

(a)

1	2	3	4
2	3	4	1
3	4	1	2
4	1	2	3

(b)

a	b	c	d
b	c	d	a
c	d	a	b
d	a	b	c

(c)

Fig. 8

1	2	3	4
2	.	.	.
3	.	.	.
4	.	.	.

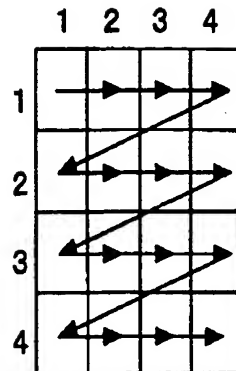
← VALUE IN SEQUENCE
OF 1 TO 4

IT IS ASSUMED THAT ARBITRARY
VALUE FORMING LATIN SQUARE
IS SET AS VALUE OF ELEMENT OF .



VALUE IN SEQUENCE
OF 1 TO 4

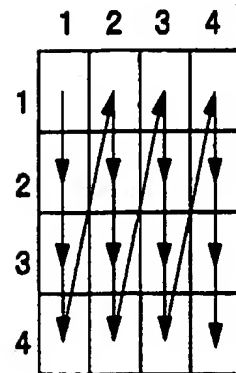
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Fig. 9



CREATION OF EACH ELEMENT IS PERFORMED IN SEQUENCE OF FIRST ROW AND FIRST COLUMN, FIRST ROW AND SECOND COLUMN,, FOURTH ROW AND THIRD COLUMN, AND FOURTH ROW AND FOURTH COLUMN

CREATION METHOD IN COLUMN DIRECTION

(a)

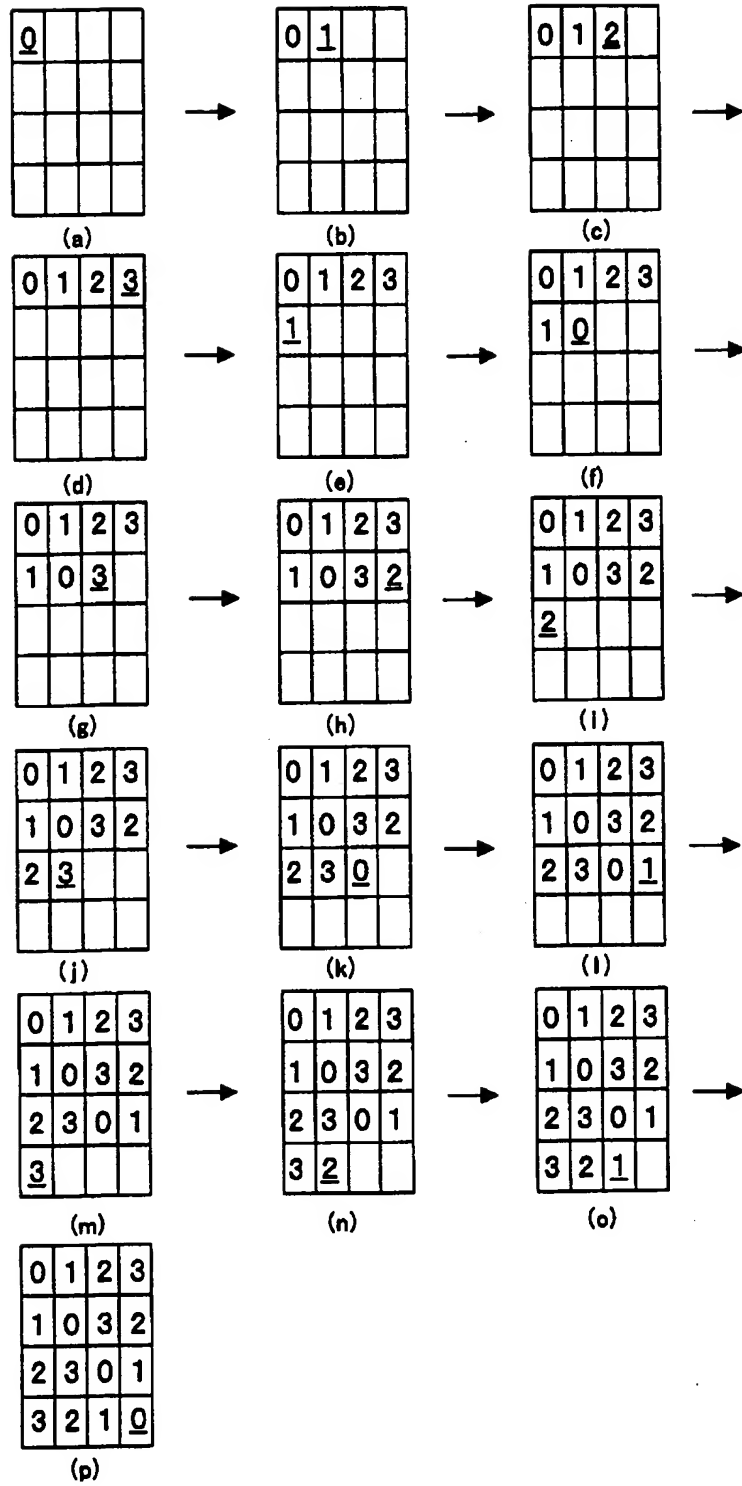


CREATION OF EACH ELEMENT IS PERFORMED IN SEQUENCE OF FIRST ROW AND FIRST COLUMN, SECOND ROW AND FIRST COLUMN,, THIRD ROW AND FOURTH COLUMN, AND FOURTH ROW AND FOURTH COLUMN

CREATION METHOD IN ROW DIRECTION

(b)

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Fig. 10



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Fig. 11

0	1	2	3
1	0	3	2
2	3	0	1
3	2	1	0

(a)



0	1	2	3
1	0	3	2
2	3	<u>1</u>	

(b)



0	1	2	3
1	0	3	2
2	3	1	<u>0</u>

(c)



0	1	2	3
1	0	3	2
2	3	1	0
<u>3</u>			

(d)



0	1	2	3
1	0	3	2
2	3	1	0
3	<u>2</u>		

(e)



0	1	2	3
1	0	3	2
2	3	1	0
3	2	<u>0</u>	

(f)



0	1	2	3
1	0	3	2
2	3	1	0
3	2	0	<u>1</u>

(g)